

ABSTRACT

The object of the present invention is the development of a novel strategy for providing an effective biosensor which forms a conjugate and stabilizes only in the presence of a target protein or substance to be analyzed. That is, the present invention provides a modulate aptamer which specifically binds with a specific target protein, particularly a human immunodeficiency virus type-1 (HIV-1) Tat protein, and a method and kit for detecting the target protein, in particular, HIV-1 Tat protein using the modulate aptamer.